Index of Claims

| Application/Control No. | Applicant(s)/Patent under Reexamination |   |
|-------------------------|-----------------------------------------|---|
| 10/500,260              | BEARDOW, PAUL                           |   |
| Examiner                | Art Unit                                | • |
| Jwalant Amin            | 2628                                    |   |

| / | Rejected | -   | (Through numeral)<br>Cancelled |
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| = | Allowed  | ٠ţ٠ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| 1 | Interference |

Jwalant Amin

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla          | nim                                          |               |                                                  |                  |              | Date         | ,                                                |                                                  |                                                  | $\neg$        |
|--------------|----------------------------------------------|---------------|--------------------------------------------------|------------------|--------------|--------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|---------------|
|              |                                              | Т             |                                                  |                  | ī            |              | 1                                                | П                                                |                                                  | $\dashv$      |
| Final        | Original                                     |               |                                                  |                  |              |              |                                                  | •                                                |                                                  | ļ             |
|              | 1                                            | -             |                                                  |                  |              |              |                                                  |                                                  |                                                  |               |
|              | 1<br>2<br>3<br>4<br>5                        | =             |                                                  |                  |              | _            |                                                  | 一                                                | $\neg$                                           |               |
|              | 2                                            |               |                                                  | -                | _            | _            | -                                                | $\dashv$                                         |                                                  | {             |
|              | 3                                            | -             | -                                                | _                |              | _            |                                                  | $\dashv$                                         | -                                                | $\dashv$      |
|              | 4                                            | -             |                                                  |                  |              |              |                                                  | _                                                |                                                  | _             |
|              | 5                                            | -             |                                                  |                  |              |              |                                                  | l                                                |                                                  |               |
|              | 6<br>7                                       | _             |                                                  |                  |              |              |                                                  |                                                  |                                                  |               |
|              | 7                                            |               |                                                  |                  | _            |              | П                                                |                                                  |                                                  |               |
|              | 8                                            |               | $\neg$                                           | _                | _            | $\vdash$     | H                                                |                                                  | _                                                |               |
|              | 9                                            |               | -                                                | _                | _            | -            | Н                                                | -                                                | _                                                | -             |
|              | 9                                            |               |                                                  | _                | _            | _            | $\vdash$                                         |                                                  |                                                  |               |
|              | 10                                           |               |                                                  | _                | _            | _            | Ш                                                |                                                  |                                                  | $\dashv$      |
|              | 11                                           | _             |                                                  |                  |              | <u> </u>     | $oxed{oxed}$                                     |                                                  |                                                  | Ш             |
| L            | 12                                           | <u> -</u>     |                                                  |                  |              | L            |                                                  |                                                  |                                                  |               |
|              | 13                                           | _             |                                                  |                  |              |              |                                                  |                                                  |                                                  |               |
| <del></del>  | 14                                           |               |                                                  |                  |              | Г            |                                                  |                                                  |                                                  | П             |
|              | 15                                           | 1             | _                                                | -                | $\vdash$     | 一            | -                                                | $\vdash$                                         |                                                  | Н             |
|              | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 |               |                                                  | -                |              | ⊢            | $\vdash$                                         | Н                                                |                                                  | $\vdash$      |
|              | 10                                           |               |                                                  |                  | <del> </del> |              |                                                  |                                                  | -                                                | $\vdash$      |
|              | 17                                           |               |                                                  | _                | <u> </u>     |              | <b> </b>                                         |                                                  |                                                  | ш             |
|              | 18                                           | _             |                                                  |                  |              | _            |                                                  |                                                  |                                                  | Ш             |
| ĺ            | 19                                           | -             |                                                  |                  | '            |              | 1                                                |                                                  |                                                  | ll            |
|              | 20                                           | -             |                                                  | _                | Π            | Т            | Г                                                |                                                  |                                                  |               |
|              | 21                                           |               |                                                  |                  | _            | 1            | <del>                                     </del> |                                                  |                                                  | П             |
| ├──          | 22                                           |               |                                                  |                  | -            | <del> </del> | $\vdash$                                         | -                                                |                                                  | <del>  </del> |
|              | 22                                           | <del> -</del> | _                                                | _                |              | ⊢            | ₩                                                | ⊢                                                | $\vdash$                                         |               |
| <u> </u>     | 23<br>24                                     |               | _                                                | _                | ┡            | ▙            | <del> </del>                                     | _                                                | _                                                | $\vdash$      |
| <u></u>      | 24                                           |               |                                                  | <u> </u>         | <u> </u>     | <u> </u>     | Ь_                                               | _                                                | <u> </u>                                         | Щ             |
|              | 25                                           | ے             |                                                  | _                | _            | <u></u>      |                                                  | _                                                | 匚                                                |               |
|              | 26<br>27                                     | -             |                                                  |                  |              | 1            | 1                                                | <u> </u>                                         | l                                                |               |
|              | 27                                           | _             |                                                  |                  |              |              |                                                  |                                                  |                                                  |               |
|              | 28                                           |               |                                                  | _                | 1            | T            |                                                  |                                                  |                                                  |               |
| -            | 29                                           | _             | -                                                | $\vdash$         | 1            |              | ┼┈                                               | -                                                | Н                                                | М             |
|              | 30                                           | ╫             | -                                                | ├                | ╁╴           | ╌            | $\vdash$                                         |                                                  | -                                                | Н             |
| <u> </u>     | 30                                           | =             | -                                                | ├                | ├            | ├-           | ⊢                                                | ⊢                                                | $\vdash$                                         | -             |
| L            | 31<br>32                                     | -             | <u> </u>                                         | <u> </u>         | ļ            | <b> </b>     | <del> </del> —                                   | <u> </u>                                         | <u> </u>                                         | Н             |
|              | 32                                           | <u>_</u>      | <u> </u>                                         | _                | <u></u>      | <u> </u>     | <u> </u>                                         | <u> </u>                                         | _                                                | Ш             |
| L            | 33                                           | <u> </u> -    | L                                                | $\mathbb{L}^{-}$ | $L^{-}$      | L            | L                                                | $L^{-}$                                          | L                                                |               |
|              | 34                                           | -             |                                                  | <u> </u>         |              | П            | Г                                                | Γ                                                |                                                  | П             |
|              | 35                                           | 1=            | 1                                                | t                | T            | T            | T                                                | Ι                                                | <u> </u>                                         | П             |
|              | 36                                           | -             | <del>                                     </del> | $\vdash$         | Т            | t            | 十                                                | <del>                                     </del> | 1-                                               | $\vdash$      |
| <del></del>  | 37                                           | -             | $\vdash$                                         | <del> </del>     | <del> </del> | +-           | +                                                | $\vdash$                                         | $\vdash$                                         | $\vdash$      |
| <u></u>      | 13/                                          | -             | $\vdash$                                         |                  | -            | -            | +                                                | ⊢                                                | $\vdash$                                         | $\vdash$      |
| Ь—           | 38                                           | 1=            | <u> </u>                                         | <u> </u>         |              | $\vdash$     | _                                                | <u> </u>                                         | <u> </u>                                         | <b> </b>      |
|              | 39                                           | _             | $oxed{oxed}$                                     | L                | _            | _            | 1_                                               | $\vdash$                                         | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              |               |
| L            | 40                                           |               |                                                  | L                | L            |              | $\perp$                                          | L                                                |                                                  |               |
|              | 41                                           | _             | Γ                                                | Γ                |              | Π            |                                                  |                                                  |                                                  |               |
|              | 42                                           | <u></u>       |                                                  | 1                | 1            | $\top$       | Т                                                | Π                                                | Π                                                |               |
| _            | 1/2                                          | 一             | $\vdash$                                         | $\vdash$         | +-           | +            | T                                                | $\vdash$                                         | T                                                | T             |
| <del> </del> | 44                                           | +=            | <del> </del>                                     | $\vdash$         | +            | +-           | +                                                | <del> </del>                                     | $\vdash$                                         | $\vdash$      |
| <u> </u>     | 44                                           | 1=            | -                                                | ⊢                | +            | ╂—           | ⊬                                                |                                                  | <del> </del>                                     | -             |
|              | 45                                           | 1-            | 1_                                               | 1                | ـ            | -            | ↓_                                               | <del>  -</del>                                   | ⊢                                                | $\vdash$      |
| <u></u>      | 46                                           | _             | <u></u>                                          | <u> </u>         | <u> </u>     | 1            | $\perp$                                          | <u> </u>                                         | <u> </u>                                         | <u> </u>      |
|              | 47                                           | _             |                                                  | L                | L            |              | L                                                | L                                                |                                                  |               |
|              | 48                                           | 1_            | Γ                                                |                  |              | Г            |                                                  |                                                  |                                                  |               |
|              | 49                                           | 1-            |                                                  | 1                | 1            | 1            | 1                                                | 1                                                | Π                                                | Π             |
| <b>—</b>     | 50                                           | 1_            | 1                                                | 1                | 1            | +            | +                                                | t                                                | <del>                                     </del> | 1             |

| _  | im       |          |              |                                                  |                                                  | Date                                               |                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                | Γ   | Cla                                          | im       |            |          |              | Г            | ate          |                                                  |              |                |                                     |
|----|----------|----------|--------------|--------------------------------------------------|--------------------------------------------------|----------------------------------------------------|----------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----|----------------------------------------------|----------|------------|----------|--------------|--------------|--------------|--------------------------------------------------|--------------|----------------|-------------------------------------|
| đ  | im       |          | _            |                                                  |                                                  | Jack                                               | <del>,</del>   |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | $\dashv$       | ŀ   |                                              | ""       |            |          | 1            |              | -316         |                                                  | $\neg$       |                | ᅱ                                   |
| ١  | ਲ        |          |              |                                                  |                                                  |                                                    |                | Į            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |     | _                                            | ā        |            | ŀ        |              |              | l            |                                                  |              | -              |                                     |
| I  | Original |          |              |                                                  |                                                  |                                                    |                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ı              | Ì   | Final                                        | Original |            |          |              |              | 1            | l                                                | ı            | 1              | I                                   |
| ı  | Ĕ,       |          |              |                                                  |                                                  |                                                    |                | .            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -              | 1   | ίΞ                                           | Ĕ        |            |          |              | - 1          |              |                                                  | - 1          | I              | - 1                                 |
|    | O        |          |              |                                                  |                                                  |                                                    | ļ              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |     |                                              | 0        |            |          |              | 1            |              | - 1                                              | I            | Į              |                                     |
| 1  | 1        |          | $\vdash$     | $\dashv$                                         |                                                  |                                                    |                | _            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | $\dashv$       | ŀ   |                                              | 51       | -          |          | $\dashv$     | $\neg$       |              |                                                  | 一            | 一              | $\neg$                              |
| +  | 2        | _        |              | $\vdash$                                         |                                                  | $\vdash$                                           | $\dashv$       | $\dashv$     | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                | . } |                                              | 52       | _          | $\dashv$ | $\neg$       | -            | $\dashv$     | -                                                | -            | $\neg$         | $\dashv$                            |
| 4  |          | -        | -            | $\dashv$                                         |                                                  | -                                                  | -              | _            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |     |                                              | 53       | $\vdash$   | $\dashv$ | -            | -            | $\dashv$     | -                                                |              | -              | $\dashv$                            |
| 4  | 3        | _        |              |                                                  |                                                  | -                                                  |                | -            | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | _              |     |                                              | 23       |            | -        |              | -            |              | _                                                | _            |                | _                                   |
| _] | 4        | _        |              | Ш                                                |                                                  |                                                    | _              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | $\Box$         |     |                                              | 54       |            | _        | _            |              |              | $\sqcup$                                         |              |                | _                                   |
|    | 5        | ١        |              |                                                  |                                                  |                                                    |                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |     |                                              | 55       | _          |          |              |              |              |                                                  |              | _              | _                                   |
| 1  | 6        | _        |              |                                                  |                                                  |                                                    |                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |     |                                              | 56       | <u> </u> - | ]        |              |              |              |                                                  |              |                |                                     |
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| 4  | 9        | F        | -            | -                                                |                                                  | Н                                                  | $\dashv$       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |     |                                              |          | 屵          |          |              | -            |              | Н                                                |              |                | $\vdash$                            |
| _  | 10       | _        | _            | _                                                |                                                  | Ш                                                  |                | _            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |     |                                              | 60       |            | _        | _            | -            | _            | Ш                                                | Щ            |                |                                     |
|    | 11       | _        |              | L                                                |                                                  | <u> </u>                                           | $\Box$         |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | _              |     |                                              | 61       | _          |          |              |              |              |                                                  | Ш            |                |                                     |
|    | 12       | _        | L            |                                                  |                                                  |                                                    |                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |     |                                              | 62       | -          |          |              |              |              |                                                  |              |                |                                     |
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| 7  | 14       | _        |              |                                                  |                                                  | П                                                  |                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |     |                                              | 64       | -          |          |              |              |              |                                                  |              |                |                                     |
| ┪  | 15       |          | $\vdash$     | $\vdash$                                         | Н                                                | Н                                                  | -              | Н            | П                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Н              |     |                                              | 65       |            |          |              | $\vdash$     |              |                                                  | $\vdash$     |                |                                     |
| 4  | 16       |          |              | -                                                |                                                  | $\vdash$                                           | H              | $\vdash$     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -              |     | -                                            | 66       | F          | $\vdash$ | -            | <del> </del> |              |                                                  | $\vdash$     | -              |                                     |
| 4  | 10       | -        | -            | $\vdash$                                         | -                                                |                                                    | -              | $\vdash$     | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ⊢              |     |                                              | 67       | =          | _        | _            | $\vdash$     |              | ├—                                               | $\vdash$     | $\vdash$       |                                     |
| 4  | 17       | <b>-</b> | <b> </b>     | ₩                                                | <u> </u>                                         | $\vdash$                                           | <b> </b>       | ļ            | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <u> </u>       |     |                                              | 67       | _          |          | -            | <u> </u>     | -            | ├                                                |              |                | Н                                   |
|    | 18       | _        | L            | $\vdash$                                         | _                                                |                                                    |                | <u> </u>     | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <u> </u>       |     |                                              | 68       | -          | <u> </u> |              | <u> </u>     | <u> </u>     | <u> </u>                                         | <u> </u>     |                | _                                   |
|    | 19       | _        | L            | L                                                | Ĺ                                                |                                                    | _              | $oxed{oxed}$ | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |                |     |                                              | 69       | 上          |          |              | 匚            |              | L_                                               | $\bigsqcup$  | <u> </u>       | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |
|    | 20       | _        |              | Ĺ                                                | L                                                | L                                                  | L              |              | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | L              | ] ' |                                              | 70       | L          |          |              |              | L            | _                                                |              | $oxed{oxed}$   | $oxed{oxed}$                        |
|    | 21       | _        | Π            |                                                  |                                                  | Γ                                                  |                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |     |                                              | 71       | _          |          |              | _            | l            |                                                  |              | _              |                                     |
| -  | 22       | _        | $\vdash$     | <del>                                     </del> |                                                  |                                                    | $\vdash$       | _            | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                | ĺ   |                                              | 72       | -          |          |              | $\vdash$     |              | Г                                                |              |                |                                     |
| -  | 23       | ┢        |              | $\vdash$                                         |                                                  | $\vdash$                                           | $\vdash$       | $\vdash$     | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <del> </del>   | 1   | $\vdash$                                     | 73       | =          | $t^-$    | $I^-$        | T            |              | <u> </u>                                         | $\vdash$     | $\vdash$       |                                     |
|    | 24       | <u> </u> | <del> </del> | $\vdash$                                         | <del>                                     </del> | $\vdash$                                           | <del>  -</del> | -            | <del>                                     </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | $\vdash$       | 1   |                                              | 74       | $\vdash$   | $\vdash$ |              |              | $\vdash$     |                                                  | $\vdash$     |                | <del> </del>                        |
| _  | 24       | -        | ⊢            | ⊢                                                | <del>  -</del>                                   |                                                    | ⊢              | ├            | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <del> </del>   | {   | <del> </del>                                 |          | =          |          | <del> </del> | $\vdash$     | $\vdash$     |                                                  |              | -              |                                     |
| _  | 25       | -        | 1            | -                                                | <b> </b>                                         | <u> </u>                                           | $\vdash$       | <u> </u>     | ├                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | ł   |                                              | 75       | =          | <b>—</b> | $\vdash$     | $\vdash$     |              | -                                                | <u> </u>     | _              | <u> </u>                            |
| _  | 26       | _        | <u> </u>     | _                                                | $oxed{oxed}$                                     | $oxed{oxed}$                                       | <u> </u>       | <u> </u>     | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | _              | 1   | <u>.                                    </u> | 76       | 1-         | <u> </u> | _            |              | <b>!</b>     | <u> </u>                                         | ⊢            |                | <u> </u>                            |
|    | 27       |          | L            | L                                                | L                                                | L                                                  | L              | L            | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | L              |     |                                              | 77       | <u>_</u>   | _        | $oxed{oxed}$ | $oxed{oxed}$ |              | <u> </u>                                         | L            |                |                                     |
| _  | 28       | _        | Γ            | Γ                                                |                                                  |                                                    |                |              | Γ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |     |                                              | 78       | _          | l        |              | L            | L            | L                                                | L            | L              | L                                   |
|    | 29       | -        | 1            | T                                                |                                                  | $\vdash$                                           | Ι              | 1            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                | 1   |                                              | 79       | _          | Γ        | <u> </u>     | Г            | Г            | П                                                | Γ            | T              |                                     |
| _  | 30       | <u> </u> | 1-           | 1                                                | $t^-$                                            | $t^{-}$                                            | $\vdash$       |              | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | T              | 1   |                                              | 80       | _          | $\vdash$ |              | $\Box$       | $\vdash$     | $\vdash$                                         | T            | _              | Ι_                                  |
| -  | 31       | $\vdash$ | $\vdash$     |                                                  | <del> </del>                                     | <del>  -                                    </del> | $\vdash$       | $\vdash$     | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -              | 1   | <del></del>                                  | 81       | 1_         | $\vdash$ |              | $\vdash$     | $\vdash$     | <del>                                     </del> | $\vdash$     | $\vdash$       | $\vdash$                            |
| _  | 31       | 1=       | $\vdash$     | +                                                | -                                                | ├                                                  | <del> </del> — | $\vdash$     | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | $\vdash$       | 1   |                                              | 00       | F          |          |              | $\vdash$     | ╁            | -                                                |              | <del> </del>   | $\vdash$                            |
| _  | 32       | <u> </u> | -            | ₩                                                | ₩                                                | <u> </u>                                           | <b> </b>       | <del> </del> | ┡                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <u> </u>       | ł   |                                              | 82       | -          | -        | -            | -            | $\vdash$     | -                                                | <del> </del> | -              |                                     |
| _  | 33       | 上        | _            | <u> </u>                                         | <u></u>                                          | ┖                                                  | oxdot          | $oxed{oxed}$ | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <u> </u>       | 1   |                                              | 83       | 1=         | <u> </u> | _            | <u> </u>     | _            | <u> </u>                                         | <u> </u>     | <u> </u>       | _                                   |
| _  | 34       | 1-       |              | $oxed{oxed}$                                     |                                                  | $oxed{oxed}$                                       | ot             | _            | <u></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <u></u>        | 1   |                                              | 84       | <u>_</u>   |          | _            | L            | 1_           | <u> </u>                                         | 丄            | $oxed{oxed}$   | <u></u>                             |
|    | 35       | -        | ·            |                                                  |                                                  | $L^{-}$                                            | $L^{-}$        | $L^{T}$      | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | L              |     | L                                            | 85       | =          | L        | L            | L            |              |                                                  | L            | L              | L                                   |
| _  | 36       | -        |              |                                                  | Γ                                                | Г                                                  |                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Γ              |     |                                              | 86       |            |          |              |              |              |                                                  |              | _              |                                     |
|    | 37       |          | 1            | 1                                                | П                                                | 1                                                  | $I^{-}$        | T            | Г                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | $I^{-}$        | 1   |                                              | 87       | -          |          | Τ            | Г            | Γ            |                                                  |              | П              | Π                                   |
|    | 38       |          | T            | 1                                                | ✝                                                | 1-                                                 | $\vdash$       | 1            | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | 1   |                                              | 88       | 1_         | $\vdash$ | $\vdash$     | 1            |              | T                                                |              | Ι              | 1                                   |
|    | 39       | +=       | -            | $\vdash$                                         | +                                                | +                                                  | $\vdash$       | -            | <del> </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <del>  -</del> | 1   | <u> </u>                                     | 89       | f          | 1        | $\vdash$     | $\vdash$     | +-           | +-                                               | -            | $\vdash$       | $\vdash$                            |
| _  | 39       | -        | $\vdash$     | ┼-                                               | +-                                               | -                                                  | <del> </del> — | $\vdash$     | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ₩              | 1   |                                              | 09       | 1=         | 1        |              | -            | +-           | +-                                               | $\vdash$     | $\vdash$       | $\vdash$                            |
|    | 40       | =        | 1_           | 1                                                | 1                                                | $\vdash$                                           | ₩              | <del> </del> | <b>L</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b> </b>       | -   | <u> </u>                                     | 90       | 1=         | $\vdash$ | ⊢            | 1            | -            |                                                  | -            | $\vdash$       | _                                   |
|    | 41       | _        | ┞.           | 1_                                               | _                                                | _                                                  | $oxed{oxed}$   | ┖            | ــــــــــــــــــــــــــــــــــــــ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <u> </u>       | 1   |                                              | 91       | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>     | <u> </u>     | $\vdash$                                         | <u> </u>     | <u> </u>       | <u> </u>                            |
|    | 42       |          |              | L                                                |                                                  |                                                    | L              | L            | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | L              | J   |                                              | 92       | _          |          | L            |              |              |                                                  | L            | $oxed{oxed}$   | $oxed{oxed}$                        |
|    | 43       | _        | Γ            |                                                  |                                                  |                                                    |                | Г            | Π                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | 1   |                                              | 93       | _          | L        | L            | L            | L            | $L^{-}$                                          | $\Gamma$     | $L^{-}$        |                                     |
|    | 44       |          | 1            | T                                                | 1                                                | 1                                                  | Т              | T            | Г                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Г              | 1   |                                              | 94       | 1_         |          |              | Π            | П            |                                                  |              |                |                                     |
|    | 45       | 1=       | +            | 1                                                | 1-                                               | t                                                  | ┢              | 1            | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | T              | 1   | Ι.                                           | 95       | T          | П        | T            |              | T            | 1                                                | 1            | 1              |                                     |
|    | 46       | +        | ╁            | +                                                | +-                                               | +                                                  | 1-             | 1-           | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1              | 1   | 一                                            | 96       | ╁          | $\vdash$ | $\vdash$     | +            | t-           | $t^-$                                            | T            | T              | $\vdash$                            |
|    |          | +-       | +-           | ┼                                                | $\vdash$                                         | ╁                                                  | $\vdash$       | +            | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ┼              | 1   | -                                            | 97       | +-         |          | 1            | $\vdash$     | +            | $\vdash$                                         | +            | <del> </del>   | <del> </del>                        |
|    | 47       | =        | 1-           | +                                                | $\vdash$                                         | +                                                  |                | ┼            | <del> </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ╌              | -   | ⊢                                            |          | -          | $\vdash$ | $\vdash$     | $\vdash$     | ┼            | ┼-                                               | +-           | +              | $\vdash$                            |
|    | 48       | -        | $\vdash$     | <del> </del>                                     |                                                  | ₩                                                  | <b>├</b>       | ↓_           | ⊢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ⊢              | -   | ├                                            | 98       | -          | $\vdash$ | ╀            | <del> </del> | <del> </del> | ┼                                                | <del> </del> | <del> </del> — | -                                   |
|    | 49       | -        | 1            | _                                                | $\perp$                                          | _                                                  | $\perp$        | 丄            | $oxed{oxed}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <u> </u>       | 1   | <u></u>                                      | 99       | 1=         | ļ.,      | <del> </del> | ↓_           | ــــ         | 1                                                | <b>!</b>     |                | -                                   |
| _  | 50       | 1-       | 1            |                                                  |                                                  |                                                    | L              |              | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | j   |                                              | 100      |            | 1_       | 上            |              |              |                                                  | <u>L</u>     |                | <u></u>                             |
| _  | -        |          |              |                                                  |                                                  |                                                    |                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |     |                                              |          |            |          |              |              |              |                                                  |              |                | -                                   |

| Cla          | aim                                           |               |                                        |                                        |              | Date           | <del></del>  |              |                                                  |                                                  |
|--------------|-----------------------------------------------|---------------|----------------------------------------|----------------------------------------|--------------|----------------|--------------|--------------|--------------------------------------------------|--------------------------------------------------|
|              |                                               |               |                                        |                                        |              |                |              |              |                                                  |                                                  |
| Final        | Original                                      |               |                                        |                                        |              |                |              |              |                                                  |                                                  |
| ᇤ            | rig                                           |               |                                        |                                        |              |                |              |              |                                                  |                                                  |
|              | 0                                             |               |                                        |                                        |              |                |              |              |                                                  | - 1                                              |
|              | 101                                           | $\Box$        | ļ                                      |                                        |              |                |              |              |                                                  | $\neg$                                           |
|              | 101<br>102                                    | 1             |                                        |                                        |              |                |              |              |                                                  | $\neg$                                           |
|              | 103                                           | =             |                                        |                                        |              |                | _            |              |                                                  | $\neg$                                           |
|              | 104                                           | Ш             |                                        |                                        | $\vdash$     | -              |              |              |                                                  | ⊣                                                |
|              | 104<br>105                                    | _             | _                                      |                                        |              | 一 <sup>:</sup> | т            | $\neg$       | $\neg$                                           | _                                                |
|              | 106                                           | =             | _                                      |                                        | $\vdash$     | $\vdash$       |              |              |                                                  |                                                  |
|              | 107                                           | =             | $\vdash$                               |                                        | H            | H              | _            |              | $\neg$                                           | $\dashv$                                         |
|              | 107<br>108                                    | =             | -                                      | _                                      |              | $\vdash$       |              | -            |                                                  | $\dashv$                                         |
|              | 109                                           | =             | -                                      |                                        |              | _              |              | _            |                                                  | $\dashv$                                         |
|              | 110                                           |               | -                                      | -                                      | $\vdash$     | $\vdash$       | -            |              |                                                  | $\dashv$                                         |
|              | 111                                           |               | $\vdash$                               |                                        | ┢            | ┢              |              |              | $\vdash$                                         | $\dashv$                                         |
|              | 112                                           |               | $\vdash$                               | $\vdash$                               | <del> </del> | $\vdash$       | $\vdash$     |              |                                                  | 一                                                |
|              | 112                                           |               | <del> </del>                           |                                        | $\vdash$     | $\vdash$       | -            |              |                                                  | $\dashv$                                         |
|              | 110<br>111<br>112<br>113<br>114<br>115<br>116 | =             | -                                      |                                        | ├—           | <del> </del>   | -            | -            | _                                                | $\dashv$                                         |
|              | 114                                           | <u> </u>      | -                                      | ⊢                                      | <del> </del> | -              | ├            | $\vdash$     | $\vdash$                                         | <b>├</b> ─-{                                     |
|              | 110                                           |               | ⊢                                      | $\vdash$                               | -            | ₩              | -            | $\vdash$     | -                                                | $\dashv$                                         |
|              | 110                                           | $\equiv$      | $\vdash$                               | $\vdash$                               | -            | ╁              | -            | $\vdash$     |                                                  |                                                  |
|              | 110                                           |               | ├                                      | -                                      | ├            | $\vdash$       | -            |              | -                                                | $\vdash\vdash$                                   |
|              | 117<br>118<br>119                             | $\sqsubseteq$ | <del> </del>                           | <u> </u>                               | -            | $\vdash$       | ├            | <del> </del> | _                                                | $\vdash$                                         |
|              | 120                                           | E             | ├-                                     | $\vdash$                               | ⊢            | ├              | <del> </del> | ┝            | <u> </u>                                         | Н                                                |
|              | 120                                           |               |                                        | ├—                                     | ├            | ╢              | ├—           | $\vdash$     | ⊢                                                | $\vdash$                                         |
|              | 121<br>122<br>123                             | -             |                                        | ├                                      | ┝            | -              |              | <del> </del> | ⊢                                                | Н                                                |
|              | 122                                           | =             |                                        | ┢                                      | -            | ╁              | ├            | -            | ├─                                               | Н                                                |
|              | 123                                           | =             | ⊢                                      | ├                                      | ├            | ╁              | ┢            | -            | -                                                | $\vdash$                                         |
|              | 124<br>125<br>126<br>127<br>128<br>129<br>130 | -             | ╁                                      | -                                      | ├—           | ╁              | ├            |              |                                                  | H                                                |
|              | 120                                           | E             |                                        | ┢                                      | $\vdash$     | -              | ┼            | ├            | $\vdash$                                         | -                                                |
|              | 127                                           |               | $\vdash$                               | $\vdash$                               | -            | ├              | -            | -            | ┢                                                | -                                                |
|              | 128                                           | =             | -                                      | ╁                                      | $\vdash$     | ╁              | ├            | -            | -                                                | Н                                                |
| <u> </u>     | 120                                           | =             | $\vdash$                               | $\vdash$                               | ┢            | ╁              | H            | $\vdash$     | ┝                                                | Н                                                |
|              | 120                                           | _             | $\vdash$                               | -                                      | ┼            | ┼~             | $\vdash$     | ┢            | ⊢                                                | -                                                |
|              | 131                                           | -             | ⊢                                      | ┼                                      | -            | t              | ┢            | ├            | -                                                | H                                                |
| <del> </del> | 137                                           | 1             | $\vdash$                               | +                                      | +-           | +              | +            | $\vdash$     | -                                                |                                                  |
| <del></del>  | 132<br>133                                    | 1=            | +                                      | $\vdash$                               | $\vdash$     | $\vdash$       | ┼─           | -            | $\vdash$                                         | $\vdash$                                         |
| <b> </b> -   | 134                                           | <del> _</del> | 1                                      | $\vdash$                               | ┼─           | +-             | $\vdash$     | 1            | $\vdash$                                         |                                                  |
|              | 134                                           | 1_            | ╁╌                                     | +                                      | ╁            | +              | $\vdash$     | ┼            | <del> </del>                                     | H                                                |
|              | 135<br>136                                    | _             | +                                      | +                                      | 1-           | +              | $\vdash$     | $\vdash$     | -                                                |                                                  |
| ļ            | 137                                           |               | ╁╾                                     |                                        | +            | $\vdash$       | $\vdash$     | $\vdash$     | ╁                                                | -                                                |
| <del> </del> | 130                                           |               | +-                                     | ┼                                      | +            | ╁              | +            | $\vdash$     | +-                                               | <del>                                     </del> |
| <del> </del> | 138<br>139                                    | -             | +                                      | +                                      | $\vdash$     | +-             | ┼─           | -            | <del> </del>                                     | -                                                |
|              | 140                                           | 12            | +                                      | +-                                     | ╂            | +              | +            | ╁            | $\vdash$                                         | -                                                |
| <del> </del> | 141                                           |               | . -                                    | $\vdash$                               | +-           | +              | $\vdash$     | +-           | $\vdash$                                         | +-                                               |
| <b> </b>     | 142                                           | 7             | +                                      | +-                                     | +-           | +              | $\vdash$     | $\vdash$     | <del>                                     </del> | <del> </del>                                     |
|              | 143                                           | 1             | ╁                                      | +                                      | +            | +-             | +            | ╁            | $\vdash$                                         | <del> </del>                                     |
| <del></del>  | 144                                           | +             | +                                      | +                                      | $\vdash$     | +              | ┼─           | ┼            | $\vdash$                                         | $\vdash$                                         |
| <u> </u>     | 145                                           | 4             | +                                      | +                                      | +            | +              | ╁╾           | ╁┈           | ╁                                                | $\vdash$                                         |
|              | 146                                           | K             | +                                      | +                                      | +-           | ╁╌             | ╁╾           | 1            | $\vdash$                                         | ╁                                                |
| $\vdash$     | 147                                           | 七             | -                                      | +-                                     | ┢            | ╁              | 1            | 1-           | <del> </del>                                     | $\vdash$                                         |
| $\vdash$     | 148                                           | L             | ┿                                      | +                                      | ╁            | ╁              | 1-           | +-           | +                                                | $\vdash$                                         |
| <u> </u>     | 149                                           | V             | +                                      | ╁                                      | ╁            | ╁              | ┼-           | 1            | 1                                                | $\vdash$                                         |
| $\vdash$     | 150                                           | 1             | <del> </del>                           | +-                                     | +            | +              | +            | $\vdash$     | +-                                               | $\vdash$                                         |
| Щ            | 1 100                                         | Įυ            | ــــــــــــــــــــــــــــــــــــــ | ــــــــــــــــــــــــــــــــــــــ | Щ            |                |              | Ц            | 1                                                | Ц                                                |

| In    | dex      | 7 0      | f C      | lai  | ms          | (c       | 01       | ntin   | ued   | <b>'</b> ) |          |     | A       | ppli     | cat     | tio       | n/Co   | ntro     | ol N | lo.     |          |          |    |         | ant     |              |          |          | und      |
|-------|----------|----------|----------|------|-------------|----------|----------|--------|-------|------------|----------|-----|---------|----------|---------|-----------|--------|----------|------|---------|----------|----------|----|---------|---------|--------------|----------|----------|----------|
|       |          |          |          |      | IIIII       |          |          |        |       |            |          |     | 10      | )/50     | 0.2     | 26        | 0      |          |      |         |          |          | BE | AR      | DC      | wc           | , P      | AUL      | -        |
|       |          |          | Ш        |      |             |          |          |        |       |            |          |     | -       | xam      |         |           |        |          |      |         | _        |          |    | Un      |         |              |          |          |          |
|       |          |          |          |      |             |          |          |        |       |            |          |     | J۱      | vala     | ınt     | : Aı      | min    |          |      |         |          |          | 26 | 28      |         |              |          |          |          |
|       |          | <b>,</b> | Do.      |      |             | ]        | ſ        |        | (Thr  | ou         | gh n     | ıme | ral)    |          | Γ       |           | Nor    |          | act  | <u></u> |          |          |    | Δn      | pea     | al           |          |          |          |
|       |          | ۱۷       | ĸe,      | ject | ea          |          |          | _ _    |       | Ca         | ncel     | led |         |          | ľ       | N         | IVOI   | 1-61     |      |         |          | Α        |    | 74      | pca     | -            |          |          |          |
|       |          | =        | ΔII      | ow   | ٥d          |          |          | ÷      |       | Pο         | stric    | had |         |          |         | $ \cdot $ | Inte   | rfei     | en   | CE      |          | 0        | (  | Ohi     | ect     | ed           |          |          |          |
|       |          |          | All      |      | <del></del> |          | Į        |        |       |            | 31110    |     |         |          |         |           |        |          |      |         |          |          | `  |         |         |              |          |          |          |
| Cla   | im       | l .      |          |      | Dat         | е        |          | -      |       | Cla        | im       |     |         | Da       | ate     |           |        |          |      | Cla     | aim      |          |    |         | Dat     | e            |          |          |          |
| Final | Original |          |          |      |             |          |          |        |       | Final      | Original |     |         |          |         |           |        |          |      | Final   | Original |          |    |         |         |              |          |          |          |
|       | 151      |          | $\dashv$ | - -  | -           | $\vdash$ | $\dashv$ | +      | ┥ ├-  |            | 201      |     | -       | -        | +       | -         | +      | ╁┼       | ŀ    |         | 251      | $\vdash$ | -  | +       | ╁       | $\vdash$     | $\vdash$ | $\vdash$ | $\dashv$ |
|       | 152      |          |          | +    | +-          | $\vdash$ | $\dashv$ | _      | -   - |            | 202      |     | T       | $\vdash$ | +       | _         | $\top$ | Н        | .    |         | 252      | $\vdash$ |    | $\top$  | $\top$  | T            | $\Box$   |          | ╛        |
|       | 153      |          |          | 1    | 1           | $\sqcap$ | $\dashv$ | $\top$ | 7     | $\neg$     | 203      |     |         |          | İ       |           |        | $\Box$   |      |         | 253      |          |    |         |         | L            |          |          |          |
|       | 154      | /        |          |      |             |          |          |        | ] [   |            | 204      |     |         |          |         |           |        |          |      |         | 254      |          |    | $\perp$ |         |              |          |          |          |
|       | 155      | <u> </u> |          |      |             |          |          |        |       |            | 205      |     | $\perp$ |          | $\perp$ | _         |        |          |      |         | 255      | <u> </u> |    | $\perp$ | _       | <u> </u>     | $\perp$  | $\sqcup$ | _        |
|       | 156      |          |          |      |             |          |          | _      | ┙┟    |            | 206      | _ _ | 1_      | _        | 4       | 4         |        | $\sqcup$ |      |         | 256      | <b> </b> |    | $\bot$  | $\perp$ | <del> </del> | $\sqcup$ | -        | 4        |
|       | 157      | . /      |          | - 1  | 1           |          |          | 1 1    | 1     | - 1        | 207      |     |         | : I      | - 1     | - 1       | 1      |          |      |         | 257      | 1 4      |    | 1       |         | 1            |          |          |          |

| Final    | Original | ,                                             |                          |            |                                        |                                        |         |         |          |          |          |          | Final         | Orioino |                     |              |          |                                        |          |              |          |          |              |                |   | Final       | Original   |               |                |                                        |                                                  |          |              |                | ļ              |          |
|----------|----------|-----------------------------------------------|--------------------------|------------|----------------------------------------|----------------------------------------|---------|---------|----------|----------|----------|----------|---------------|---------|---------------------|--------------|----------|----------------------------------------|----------|--------------|----------|----------|--------------|----------------|---|-------------|------------|---------------|----------------|----------------------------------------|--------------------------------------------------|----------|--------------|----------------|----------------|----------|
|          | 15       | 11                                            | /                        |            |                                        | 1                                      | +       | $\top$  | 寸        | 寸        | 寸        | _        | -             | 20      | 1                   | $\neg$       |          |                                        |          | $\Box$       |          | ヿ        | 寸            | $\neg$         | ı |             | 251        |               |                |                                        |                                                  |          |              | $\neg$         | $\neg$         | $\neg$   |
|          | 15       |                                               | <del>-</del>             |            | ✝                                      | 1                                      | 1       | 1       | 寸        | 寸        | 寸        |          |               | 20      |                     | _            |          |                                        | П        |              |          | $\neg$   | $\neg$       |                | ı |             | 252        | $\neg$        |                |                                        |                                                  |          |              |                |                |          |
| <b>—</b> | 15       |                                               | ラ                        |            | Γ                                      |                                        | 十       | _       | 十        | _        | 寸        | 7        |               | 20      |                     |              |          |                                        |          |              |          |          |              |                | Ī |             | 253        | $\neg$        |                |                                        |                                                  |          |              |                | $\neg$         |          |
|          | 15       |                                               | 7                        |            | T                                      | T                                      | 1       | 1       | $\dashv$ | 寸        | 7        | _        |               | 20      |                     |              |          | $\Box$                                 |          |              |          | 一        | 一            |                | ı |             | 254        |               |                |                                        |                                                  |          |              |                |                |          |
|          | 15       |                                               |                          |            |                                        | T                                      | T       | $\top$  | ヿ        | _        |          |          |               | 20      |                     |              |          |                                        |          |              |          |          | ヿ            |                |   |             | 255        |               |                |                                        |                                                  |          |              | $\Box$         |                |          |
|          | 15       |                                               |                          |            | Г                                      | $\top$                                 | 1       | 7       |          | $\neg$   |          |          |               | 20      |                     |              |          |                                        |          |              |          |          |              |                | [ |             | 256        |               |                |                                        |                                                  |          |              |                | $\Box$         |          |
|          | 15       |                                               | _                        |            | Π                                      | $\top$                                 | T       | 1       | 丁        | ı        |          | $\neg$   |               | 20      | 7                   |              |          |                                        |          |              |          |          |              |                |   |             | 257        |               |                |                                        |                                                  |          |              |                |                |          |
|          | 15       |                                               |                          |            |                                        |                                        | T       |         |          | T        | 寸        | 7        |               | 20      | 8                   |              |          | Г                                      |          |              |          |          |              |                |   |             | 258        |               |                |                                        |                                                  |          |              | $\Box$         |                |          |
|          | 15       |                                               |                          | Г          |                                        | 1                                      | T       | T       |          | $\neg$   | $\neg$   | $\neg$   |               | 20      | 9                   |              |          |                                        |          |              |          |          |              |                | [ |             | 259        |               |                |                                        |                                                  |          |              |                |                |          |
|          | 16       |                                               | /                        | Г          | Γ                                      | Τ                                      |         |         |          | $\Box$   |          | $\neg$   |               | 2       | 0                   |              |          |                                        |          |              |          |          |              |                |   |             | 260        |               |                |                                        |                                                  |          |              | $\square$      |                |          |
|          | 16       | 1                                             | V                        |            |                                        | T                                      | T       |         | П        | $\neg$   |          | $\neg$   |               | 2       | 1                   |              |          |                                        |          |              |          |          |              |                |   |             | 261        |               |                |                                        |                                                  |          |              |                |                |          |
|          | 16       | 2                                             |                          | Ī          |                                        | Т                                      | Т       | T       |          |          |          |          |               | 2       |                     |              |          |                                        |          |              |          |          |              |                |   |             | 262        |               |                |                                        |                                                  |          |              |                |                |          |
|          | 16       | 3                                             | /                        |            |                                        | Ţ_                                     |         |         |          |          |          |          |               | 2       |                     |              |          |                                        |          |              |          |          |              |                |   |             | 263        |               |                |                                        |                                                  |          |              |                |                |          |
|          | 16       |                                               | _                        |            |                                        |                                        |         |         |          |          |          |          |               | 2       |                     |              |          |                                        | L        | L            |          |          |              |                |   |             | 264        |               | _              |                                        |                                                  |          |              | Ш              | _              |          |
|          | 16       |                                               | V                        |            | l                                      |                                        |         | floor   |          |          |          |          |               | 2       |                     |              |          |                                        |          |              |          |          |              |                |   |             | 265        |               |                |                                        |                                                  |          |              | Ш              |                |          |
|          | 16       |                                               | _                        | 1_         |                                        |                                        |         |         |          |          |          |          |               | 2       |                     |              |          |                                        |          |              |          |          |              |                |   |             | 266        |               | _              |                                        |                                                  | L.       |              | $\sqcup$       |                |          |
|          | 16       |                                               | <u>/</u>                 | 1_         |                                        |                                        | L       |         |          |          |          | _        |               | 2       |                     |              |          |                                        | 匚        | L            |          | _        |              |                |   |             | 267        |               |                |                                        | L.                                               |          |              | $\sqcup$       | _              | Щ        |
|          | 16       |                                               | $\underline{\checkmark}$ | 1_         | L                                      | $\perp$                                | ┸       | $\perp$ | _        |          | _        |          |               | 2       |                     | L            |          | <u></u>                                | L        |              |          |          |              |                |   |             | 268        |               |                |                                        | _                                                | _        | _            | $\sqcup$       | $\dashv$       | Ш        |
|          | 16       |                                               | _                        | 1_         |                                        |                                        |         |         |          |          |          |          |               | 2       |                     |              |          | <u> </u>                               | 1        |              |          |          |              |                |   |             | 269        |               |                |                                        |                                                  |          |              |                | $\dashv$       | Ш        |
|          | 17       |                                               | <u> </u>                 | 1_         | <u> </u>                               | 1_                                     |         |         |          | $\perp$  |          | _        |               | 2:      |                     |              | L        | L                                      | <u> </u> | _            |          |          | لسا          |                |   |             | 270        |               | _              |                                        | _                                                | _        |              | Ш              | $\dashv$       | Ш        |
|          | 17       |                                               | <u>√</u>                 | 1_         | L                                      | $\perp$                                | $\perp$ | $\perp$ | $\perp$  |          |          |          |               | 2:      |                     |              |          |                                        | <u> </u> | <u> </u>     |          |          |              |                |   |             | 271        |               | <u> </u>       |                                        | _                                                | L        | _            |                |                |          |
|          | 17       |                                               | $\overline{}$            | <u>1_</u>  |                                        |                                        |         |         |          | _        |          |          |               | 2       |                     |              |          |                                        |          | L            |          |          |              |                |   |             | 272        |               |                |                                        | _                                                | _        |              |                | $\dashv$       | Ш        |
|          | 17       |                                               | <u> </u>                 | 1_         | L                                      |                                        | ┸       | ┙       |          |          | _        | _        |               | 2:      |                     |              |          | _                                      | _        | _            |          |          |              | L              |   |             | 273        | _             | _              | <u>_</u>                               |                                                  | L        |              |                | _              |          |
|          | 17       |                                               | <u>√</u>                 | _          | _                                      | ┸                                      | ┸       | 4       | _        | _        | _        | _        |               | 2:      |                     | _            |          | L.                                     | _        | <u> </u>     |          |          | Ш            |                |   |             | 274        |               |                | <u>_</u>                               | <u> </u>                                         | <u> </u> |              |                |                | Ш        |
|          | 17       |                                               | <u> </u>                 | 1_         | 上                                      | ــــــــــــــــــــــــــــــــــــــ | 1       | 4       | _        | _        | _        | _        |               | 2       | 25                  |              | _        | 匚                                      | _        | _            | _        |          |              |                |   |             | 275        |               | <u> </u>       |                                        | _                                                | <u> </u> | _            | $\sqcup$       | $\dashv$       | $\vdash$ |
|          | 17       |                                               | <u> </u>                 | 1_         | ┖                                      | 1                                      | _       | 4       |          | _        | _        | _        | _             |         | 26                  |              | _        | <u> </u>                               | _        |              |          |          |              |                |   |             | 276        |               | _              | <u> </u>                               | _                                                | <u> </u> |              |                | $\square$      | $\vdash$ |
| ļ        | 17       | -                                             | <u>~</u>                 | 1_         | ┞                                      | 1                                      | ┵       | $\perp$ | _        |          | _        |          |               | 2:      |                     | _            | _        | _                                      | <u> </u> | <u> </u>     |          |          |              | _              |   |             | 277        |               | _              | <u> </u>                               | <u> </u>                                         | _        | ļ            |                | $\square$      | $\vdash$ |
| <u> </u> | 17       |                                               | <u> </u>                 | <u> </u> _ | ┺                                      | _                                      | - -     | - -     | -        | _        | _        | _        | <u> </u>      |         | 28                  | <u> </u>     | ļ        | <del> </del>                           | _        | _            | _        |          |              | <u> </u>       |   | <u> </u>    | 278        |               | _              | <u> </u>                               |                                                  | _        |              | Ш              | Ш              |          |
| <u> </u> | 17       |                                               | V                        | 1_         | ↓_                                     | +-                                     | - -     | 4       |          |          | _        | _        | $\vdash$      |         | 29                  | <u> </u>     | _        | <del> </del>                           | <u> </u> | _            |          |          | _            | <u> </u>       |   |             | 279        |               | ldash          | _                                      | <u> </u>                                         | <b> </b> | _            |                | Щ              | $\vdash$ |
|          | 18       |                                               | $\checkmark$             | ]          | ↓_                                     | - -                                    |         | _       | _        | _        | _        | _        |               |         | 30                  |              | ļ        | ļ                                      | <b> </b> |              | _        | _        | _            | <u> </u>       |   |             | 280        |               | <del> </del> _ | _                                      | ⊢                                                | ⊢        | <u> </u>     |                |                | Н        |
|          | 18       |                                               | $\leq$                   | ]          | ┼                                      | - -                                    | +       | _       | _        |          | _        | _        |               | 2       | 31                  | <u> </u>     | ├_       | ├_                                     | -        | _            |          |          |              | _              |   |             | 281        | _             | <u> </u>       | _                                      | <b> </b>                                         | ⊢        | <u> </u>     | Н              | Н              | H        |
| -        | 18       |                                               | 4                        | ]_         | ↓_                                     | ╀                                      | +       | +       | -        | -        |          | ┥.       |               |         | 32                  | <b> </b>     | <u> </u> | ├                                      | ⊢        | <u> </u>     | -        |          |              | -              | . | ļ           | 282        | <u> </u>      | ⊢              | <u> </u>                               | -                                                | -        |              | $\vdash$       | $\vdash$       | $\vdash$ |
|          | 18       |                                               | $\leq$                   | ┸          | ╀                                      | +-                                     | - -     | - -     |          |          |          |          | -             |         | 33                  | <del> </del> |          | <del> </del> —                         |          | ├            | -        | _        | _            | -              |   | <b> </b>    | 283        | —             |                | -                                      | ├                                                | ⊢        | $\vdash$     | Н              | $\vdash\vdash$ |          |
| <u> </u> | 18       |                                               | $\checkmark$             | }_         | ┼-                                     | - -                                    | - -     | -       |          | $\dashv$ | $\dashv$ |          | -             |         | 34                  |              |          | ├                                      | }        | ⊦            |          | _        | _            | ⊢              |   |             | 284<br>285 | -             | $\vdash$       | ⊢                                      | ┢                                                | ⊢        | ⊢            | -              |                | Н        |
| -        | 18       |                                               | $\leq$                   | }_         | ╀                                      |                                        | +       | -       | -        | $\dashv$ | $\dashv$ | _        | $\vdash$      |         | 35                  | -            | ⊢        | ⊢                                      | ₩        | ┢            | ⊢        | _        | _            | <del> </del> — |   |             |            | $\vdash$      | $\vdash$       | ⊢                                      | $\vdash$                                         | $\vdash$ | -            |                | $\vdash\vdash$ |          |
|          | 18       |                                               | $\vee$                   | }          | ╂                                      | +                                      | +       | +       | -        | $\dashv$ | $\dashv$ |          | $\vdash$      |         | 36                  |              |          | ┈                                      | ┼        | ├            | -        | _        | -            | -              | ļ | <u> </u>    | 286<br>287 | <u> </u>      | <del> -</del>  |                                        | ├                                                | ⊢        | -            | Н              | $\vdash$       | $\vdash$ |
|          | 18       |                                               | V                        | 1—         | ┼                                      | - -                                    | +       |         | $\dashv$ | _        | $\dashv$ |          | -             |         | 37<br>38            |              |          | ⊢                                      | +        | $\vdash$     | ⊢        | _        | ⊢            |                | 1 |             | 288        |               | ├              |                                        | ⊢                                                | ┢        | ┝            | $\vdash$       | Н              | H        |
| -        | 18       |                                               | <u></u>                  | _          | ╀                                      | +-                                     | 4       | +       |          | -        | -        | $\dashv$ | -             |         |                     | $\vdash$     | $\vdash$ | ⊢                                      | -        | ├-           | -        |          | -            | ┢              | 1 | -           | 289        | <u> </u>      | ├              |                                        | -                                                | ┢        | <del> </del> | Н              | $\vdash\vdash$ | H        |
| -        | 18       |                                               | V                        | ]_         | ╁╌                                     | +-                                     |         |         |          | $\dashv$ |          | $\dashv$ | $\vdash$      | 12      | 39<br>40            | -            |          | ├                                      | ╁        | ┼            | -        | -        | ┢            | -              | 1 |             | 290        | <del> </del>  | ├              | -                                      | ├                                                | ├        | ⊢            | Н              | $\vdash\vdash$ | Н        |
|          | 19       |                                               | 2                        | -          | ╁                                      | ╁                                      | ┿       | +       | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$      |         | <del>10</del>       | -            | -        | ┢                                      | ╁        | ┢╌           | -        | -        |              |                | ł |             | 291        |               | ┢              | ⊢                                      | ╁                                                | ╁        | $\vdash$     | Н              |                |          |
| <u> </u> | 19       |                                               | $\geq$                   | 1_         | ╫                                      | ╌                                      | +       | +       |          | -        | $\dashv$ | -        | $\vdash$      |         | 12                  |              |          | ╁                                      | ╁        | ├            | -        | -        | -            | ┢              | ł | -           | 292        | ┝             | <del> </del>   | -                                      | -                                                | ┢        | ⊢            | Н              | $\vdash\vdash$ | Н        |
| <b>—</b> | 19       |                                               | ت                        | <b>—</b>   | +-                                     | ╁                                      |         | ┰       |          |          | $\dashv$ | $\dashv$ | $\vdash$      |         | <del>12</del><br>43 | <del> </del> | ⊢        | ╁╴                                     | ┿        | ├-           | ├─       |          |              | ┢              | ł |             | 293        | $\vdash$      | ├              | ├                                      | $\vdash$                                         | $\vdash$ | $\vdash$     | Н              | $\vdash$       |          |
| -        | 19       |                                               | -                        | ╁          | ╁                                      | ╁                                      | +       |         | -        |          |          | $\dashv$ | -             |         | +3<br>44            |              | $\vdash$ | +-                                     | ┼        | ├-           | -        |          | <del> </del> | ┢              | 1 |             | 294        | <del> -</del> | ╁╾             | <del> </del>                           | -                                                | $\vdash$ | ╌            | $\vdash\vdash$ | Н              | $\vdash$ |
| -        | 19       |                                               | -                        | ╁          | +                                      | +                                      | +       | +       | $\dashv$ | -        |          | $\dashv$ |               |         | 45                  |              | ⊢        | +                                      | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ | ⊢            | $\vdash$       | ł | <del></del> | 295        | ┢             | ┼              | -                                      | $\vdash$                                         | ⊢        | $\vdash$     | Н              | H              | $\vdash$ |
|          | 19       |                                               | -                        | ╁          | +-                                     | +-                                     | +       | +       |          |          |          |          | -             |         | <del>15</del><br>46 |              | $\vdash$ | $\vdash$                               | $\vdash$ | -            | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$       | ł | ├           | 296        | -             | ┼─             | <del> </del>                           | 1                                                | +        | $\vdash$     | $\vdash$       | Н              | $\vdash$ |
| -        | 19       |                                               | <u> </u>                 | $\vdash$   | ╁                                      | +                                      | +       | +       | $\dashv$ | _        | -        | $\dashv$ | $\vdash$      |         | 47                  |              |          | +-                                     | +        | +-           | $\vdash$ | $\vdash$ | ├            | $\vdash$       | ł | -           | 297        | -             | <del> </del>   | <del> </del>                           | $\vdash$                                         | +        | $\vdash$     | $\vdash$       | Н              | H        |
| -        | 19       |                                               | -                        | +          | +                                      | +                                      | +       | +       |          | -        | $\dashv$ | $\dashv$ | $\vdash$      |         | 48                  |              |          | 1-                                     | ╁        | <del> </del> | $\vdash$ | ┢        | ╁            | $\vdash$       | ł | -           | 298        | $\vdash$      | ├              | <del>  -</del>                         | -                                                | ╁        | $\vdash$     | $\vdash$       | Н              | H        |
|          | 19       |                                               | -                        | $\vdash$   | ╁                                      | ╁                                      | +       | +       | -        | -        |          | $\dashv$ | $\vdash$      |         | 49                  |              |          | +                                      | +        | +            | $\vdash$ | $\vdash$ | $\vdash$     | 1              | 1 |             | 299        | $\vdash$      | <del> </del>   | ┢                                      | +                                                | $\vdash$ | H            | H              | H              | $\vdash$ |
| -        | 20       |                                               | -                        | ╁          | +                                      | +                                      | +       | +       | $\dashv$ |          | $\dashv$ | $\dashv$ | 1             |         | 50                  |              | $\vdash$ | +                                      | +        | $\vdash$     |          | $\vdash$ |              | $\vdash$       | 1 |             | 300        | -             | $\vdash$       | 1-                                     | <del>                                     </del> | t        | H            | Ħ              | H              |          |
| L        | 120      | · <u>· · · · · · · · · · · · · · · · · · </u> | Ц                        | _          | ــــــــــــــــــــــــــــــــــــــ | -1-                                    |         |         |          |          |          |          | $\sqsubseteq$ |         |                     |              | ــــــا  | ــــــــــــــــــــــــــــــــــــــ |          | 1            |          |          |              | _              | J | ш           | 1 000      | Ь             | ٠              | ــــــــــــــــــــــــــــــــــــــ | ٠                                                |          | ь            | نــــــ        | لــــا         | لسسا     |